


# ACADEMIC MAP

Welding, C.A.S

## Semester 1

COURSE	CR	COMMENTS
COLL 101 ORIENTATION TO COLLEGE	1	
MTEC 102 INTRODUCTORY CRAFT SKILLS	2	 NCCER Core
WELD 111 BASIC OXYACETYLENE WELDING	3	
WELD 171 WELDING THEORY	1	
WELD 160 WELDING BLUEPRINT READING	2	
MATH 125 TECHNICAL MATHEMATICS	4	
ENGL 107 TECHNICAL WRITING	3	
<b>TOTAL:</b>	<b>16</b>	



The **Certificate of Applied Science in Welding** prepares graduates for positions in construction and oil and gas. Some of the skills learned will include hand-welding, flame cutting, hand-soldering, and brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.



**MILESTONE COURSE:** These courses are the keys to graduation and certification. Courses should be taken in the recommended semesters to stay on time for

completion.

## Semester 2

COURSE	CR	COMMENTS
WELD 121 BASIC SHIELDED METAL ARC(SMAW)	3	 AWS Certificate
WELD 131 BASIC GAS TUNGSTEN ARC (GTAW)	3	 AWS Certificate
WELD 133 BASIC FLUX CORE ARC WELD(FCAW)	3	 AWS Certificate
WELD 134 BASIC GAS METAL ARC WELD(GMAW)	3	 AWS Certificate
WELD 279 WELDING INSPECTION	2	
<b>TOTAL:</b>	<b>14</b>	



**CAREER PLANNING:** Plant maintenance jobs, pipeline welders, field and shop welders, mobile welders, and pipe fitters in local fabrication shops make an average wage of \$12.90 - \$27.33/hour.



Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

**TOTAL DEGREE CREDITS:**

# 30

# General Education Courses



To ensure breadth and depth as students meet these broad education goals, the curriculum focuses on six academic “strands.”

Composition & Rhetoric	Science & Technology	Math & Quantitative Skill	Society, Diversity & Connections	Human Inquiry & the Past	The Arts and Creativity
ENGL 101	ASTR 106	MATH 120 *	COMM 105	HIST 101	<b>History &amp; Literature of the Arts</b>
ENGL 102	BIOL 101 & BIOL 103 L	MATH 121	COMM 111	HIST 102	
ENGL 107*	BIOL 102	MATH 125 *	COMM 112	HIST 152	ART 101
ENGL 108*	BIOL 104 L	MATH 126	ECON 201	HIST 153	ART 105
	BIOL 107 *	MATH 128	ECON 202	HIST 250 *	ART 106
	BIOL 108 *	MATH 129	FREN 101	PHIL 111	MUSI 170
	BIOL 109 *	MATH 150	FREN 102	PHIL 150 *	THEA 101
	BIOL 115	MATH 155	GEOG 102	PHIL 170	<b>Literature</b>
	BIOL 117	MATH 156	GEOG 240		ENGL 131
	BIOL 171	MATH 211	POLS 102		ENGL 132
	CHEM 111		POLS 220		ENGL 221
	CHEM 115		PSYC 101		ENGL 222
	CHEM 116		PSYC 241		ENGL 241
	CS 101		RELI 231		ENGL 242
	GEOL 101 & GEOL 102 L		SOC 101		ENGL 261
	GEOL 103 & GEOL 104 L		SOC 105		ENGL 262
	GEOL 105 & GEOL 105 L		SOC 221		ENGL 285
	PSCI 111		SOC 232		<b>Applied Arts</b>
	PSCI 112		SPAN 101		ART 109
	PHYS 101		SPAN 102		THEA 102
	PHYS 102				<b>Creative Writing</b>
	PHYS 111				ENGL 213
	PHYS 112				ENGL 214
					ENGL 215

\* Serves technical and professional degree programs specific to WVU Parkersburg. Does not transfer to WVU as General Education (March 2018).